

IN THE CLAIMS

1. (currently amended): A composition comprising a perfume encapsulated within shell capsules, each capsule comprising an encapsulating wall having an inner surface and an outer surface, with a coating of film-forming polymer on the inner surface of the shell wall; and surfactant and/or solvent.
2. (previously presented): A composition according to claim 1, wherein the composition is a consumer product.
3. (original): A composition according to claim 2, wherein the product is a water-based product.
4. (previously presented): A composition according to claim 1, wherein the encapsulated perfume comprises a first perfume which is at least partially soluble in the surfactant and/or solvent of the composition.
5. – 10. (canceled)
11. (previously presented): A composition according to claim 1, wherein the perfume is in the form of a perfume composition, which comprises at least 80% by weight of the total weight of the perfume composition of perfume materials having an octanol-water partition coefficient of greater than 2.5 (in logarithmic form to base 10).
12. (previously presented): A composition according to claim 11, wherein less than 35% by weight of the total weight of the perfume composition comprises perfume materials having an octanol-water partition coefficient of greater than 5 (in logarithmic form to base 10).
13. (previously presented): A composition according to claim 1, wherein the shell capsules are prepared by coacervation, interfacial polymerisation or polycondensation.
14. (original): A composition according to claim 13, wherein the shell capsules are aminoplast capsules.

15. (original): A composition according to claim 14, wherein the shell capsules are aminoplast capsules, based on melamine, singly or in combination with other suitable amines, crosslinking agents and secondary polymers.

16. (original): A composition according to claim 14, wherein the aminoplast capsules comprise a mixed resin of urea/formaldehyde, maleic anhydride copolymer(s) and melamine/formaldehyde polymers.

17. (previously presented): A composition according to claim 1, wherein the shell capsules have a diameter in the range 1 to 500 microns.

18. (canceled)

19. (currently amended): A composition according to claim 18 1, wherein the polymer is selected from the group consisting of: poly(ethylene-maleic anhydride), polyamine, waxes, polyvinylpyrrolidone (PVP) polyvinylpyrrolidone-ethyl acrylate (PVP-EA), polyvinylpyrrolidone-vinyl acrylate, polyvinylpyrrolidone methylacrylate (PVP-MA), polyvinylpyrrolidone/vinyl acetate, polyvinyl acetal, polyvinyl butyral, polysiloxane, poly(propylene/maleic anhydride), maleic anhydride derivatives and polyvinyl methyl ether/maleic anhydride.

20. (previously presented): A composition according to claim 19, wherein the polymer is selected from the group consisting of: polyvinylpyrrolidone (PVP), polyvinylpyrrolidone-ethyl acrylate (PVP-EA), polyvinylpyrrolidone-vinyl acrylate, polyvinylpyrrolidone methylacrylate (PVP-MA) and polyvinylpyrrolidone/vinyl acetate.

21. (previously presented): A composition according to claim 20, wherein the outer surface of the shell wall is coated with a high molecular weight, film-forming polymer, which may optionally be crosslinked.

22. (previously presented): A composition according to claim 21, wherein the polymer of the outer coating is water-soluble.

23. (previously presented): A composition according to claim 21, wherein the polymer of the outer coating is selected from the group consisting of: polyvinyl alcohol, styrene-butadiene latex, gelatin, gum arabic, carboxymethyl cellulose, carboxymethyl hydroxyethyl cellulose, hydroxyethyl cellulose, other modified celluloses, sodium alginate, chitosan, casein, pectin, modified starch, polyvinyl acetal, polyvinyl butyral, polyvinyl methyl ether/maleic anhydride, polyvinyl pyrrolidone (PVP), polyvinylpyrrolidone/vinyl acetate (PVP/VA), poly(vinylpyrrolidone/dimethyaminoethyl methacrylate) (PVP/DMAEMA), poly(vinylpyrrolidone/methacrylamidopropyl trimethyl ammonium chloride), melamine-formaldehyde and urea-formaldehyde.

24. (currently amended): A composition according to claim 23, wherein the polymer of the outer coating is selected from the group consisting of polyvinyl alcohol, polyvinyl pyrrolidone (PVP), polyvinylpyrrolidone/vinyl acetate (PVP/VA), poly(vinyl pyrrolidone/dimethyaminoethyl methacrylate) (PVP/DMAEMA), and poly(vinyl pyrrolidone/methacrylamidopropyl trimethyl ammonium chloride).

25. (previously presented): A composition according to claim 1, wherein the coated shell capsules have a wall thickness in the range of 0.01 to 30 microns.

26. (previously presented): A composition according to claim 1, wherein the weight ratio of shell wall material to encapsulated perfume is in the range of 1:10 to 3:2.

27. (previously presented): A composition according to claim 1, wherein the weight ratio of solvent/surfactant: capsules in the composition is in the range 100:1 to 5:1.

28. (currently amended): Capsules comprising encapsulated perfume, the perfume being encapsulated within shell capsules, each capsule comprising an encapsulating wall having an inner surface and an outer surface, with a coating of film-forming polymer on the inner surface of the shell wall.

29. (previously presented): Capsules according to claim 28, wherein the encapsulated perfume comprises a first perfume which is at least partially soluble, in surfactant solution and/or solvent.

30. – 35. (canceled)

36. (previously presented): Capsules according to claim 28, wherein the perfume is in the form of a perfume composition, which comprises at least 80% by weight of the total weight of the perfume composition of perfume materials having an octanol-water partition coefficient of greater than 2.5 (in logarithmic form to base 10).

37. (previously presented): Capsules according to claim 36, wherein less than 35% by weight of the total weight of the perfume composition comprises perfume materials having an octanol-water partition coefficient of greater than 5 (in logarithmic form to base 10).

38. (previously presented): Capsules according to claim 28, wherein the shell capsules are prepared by coacervation, interfacial polymerisation or polycondensation.

39. (original): Capsules according to claim 38, wherein the shell capsules are aminoplast capsules.

40. (original): Capsules according to claim 39, wherein the shell capsules are aminoplast capsules, based on melamine, singly or in combination with other suitable amines, crosslinking agents and secondary polymers.

41. (original): Capsules according to claim 39, wherein the aminoplast capsules comprise a mixed resin of urea/formaldehyde, maleic anhydride copolymer(s) and melamine/formaldehyde polymers.

42. (previously presented): Capsules according to claim 28, wherein the shell capsules have a diameter in the range 1 to 500 microns.

43. (canceled)

44. (previously presented): Capsules according to claim 43 28, wherein the polymer is selected from the group consisting of: poly(ethylene-maleic anhydride), polyamine, waxes e.g. carbowax, polyvinylpyrrolidone (PVP), polyvinylpyrrolidone-ethyl acrylate (PVP-EA), polyvinylpyrrolidone-vinyl acrylate, polyvinylpyrrolidone methylacrylate (PVP-MA), polyvinylpyrrolidone/vinyl acetate, polyvinyl acetal, polyvinyl butyral, polysiloxane, poly(propylene/maleic anhydride), maleic anhydride derivatives and polyvinyl methyl ether/maleic anhydride.

45. (previously presented): Capsules according to claim 44, wherein the polymer is selected from the group consisting of: polyvinylpyrrolidone (PVP), polyvinylpyrrolidone-ethyl acrylate (PVP-EA), polyvinylpyrrolidone-vinyl acrylate, polyvinylpyrrolidone methylacrylate (PVP-MA), and polyvinylpyrrolidone/vinyl acetate.

46. (previously presented): Capsules according to claim 45, wherein the outer surface of the shell wall is coated with a high molecular weight, film-forming polymer, which may optionally be crosslinked.

47. (previously presented): Capsules according to claim 46, wherein the polymer on the outer surface of the shell wall is water-soluble.

48. (currently amended): Capsules according to claim 46, wherein the polymer coating the outer surface is selected from the group consisting of: polyvinyl alcohol, styrene-butadiene latex, gelatin, gum arabic, carboxymethyl cellulose, carboxymethyl hydroxyethyl cellulose, hydroxyethyl cellulose, other modified celluloses, sodium alginate, chitosan, casein, pectin, modified starch, polyvinyl acetal, polyvinyl butyral, polyvinyl methyl ether/maleic anhydride, polyvinyl pyrrolidone (PVP), polyvinylpyrrolidone/vinyl acetate (PVP/VA), poly(vinylpyrrolidone/dimethyaminoethyl methacrylate) (PVP/DMAEMA), poly(vinylpyrrolidone/methacrylamidopropyl trimethyl ammonium chloride), melamine-formaldehyde and urea-formaldehyde.

49. (previously presented): Capsules according to claim 48, wherein the polymer is selected from the group consisting of: polyvinyl alcohol, polyvinyl pyrrolidone (PVP), polyvinylpyrrolidone/vinyl acetate (PVP/VA) poly(vinyl pyrrolidone/dimethyaminoethyl methacrylate) (PVP/DMAEMA), and poly(vinyl pyrrolidone/methacrylamidopropyl trimethyl ammonium chloride).

50. (previously presented): Capsules according to claim 28, wherein the coated shell capsules have a wall thickness in the range 0.01 to 30 microns.

51. (previously presented): Capsules according to claim 28, wherein the weight ratio of shell wall material to encapsulated material is in the range 1:10 to 3:2.

52. (previously presented): Capsules comprising encapsulated perfume, the perfume being encapsulated within an aminoplast capsule which comprises a coating of polyvinyl alcohol, polyvinyl pyrrolidone or a co-polymer of polyvinyl pyrrolidone on the outer surface of the shell, and a coating of a film-forming polymer on the inner surface.

53. (previously presented): Capsules according to claim 52, wherein each capsule includes a coating on the outer surface of the shell comprising polyvinyl alcohol and/or poly(vinyl pyrrolidone/dimethylaminoethyl methacrylate).

54. (previously presented): Capsules according to claim 52, wherein the capsules have a diameter in the range 1 to 50 microns.

55. (previously presented): Capsules according to claim 52, wherein the perfume is in the form of a perfume composition, which comprises at least 80% by weight of the total weight of the perfume composition of perfume materials having an octanol-water partition coefficient of greater than 2.5 (in logarithmic form to base 10).

56. (previously presented): Capsules according to claim 55, wherein less than 35% by weight of the total weight of the perfume composition comprises perfume materials having an octanol-water partition coefficient of greater than 5 (in logarithmic form to base 10).

57. (currently amended): Capsules according to claim 52, wherein each capsule includes a coating on the inner surface of the shell comprising one or more polymers selected from the group consisting of: poly(ethylene-maleic anhydride), polyamine, waxes, polyvinylpyrrolidone (PVP), polyvinylpyrrolidone-ethyl acrylate (PVP-EA), polyvinylpyrrolidone-vinyl acrylate, polyvinylpyrrolidone methylacrylate (PVP-MA),

polyvinylpyrrolidone/vinyl acetate, polyvinyl acetal, polyvinyl butyral, polysiloxane, poly(propylene/maleic anhydride), maleic anhydride derivatives and polyvinyl methyl ether/maleic anhydride.

58. (previously presented): A composition according to claim 1 wherein the coating on the inner surface comprises polyvinylpyrrolidone and the outer surface of the encapsulating wall is coated with polyvinyl alcohol.

59. (previously presented): A composition according to claim 1 wherein the perfume is completely soluble in the surfactant and/or solvent; at least 90% by weight of the total perfume content has an octanol-water partition coefficient of greater than 2.5 (in logarithmic form to base 10) and less than 20% by weight of the total perfume content has an octanol-water partition coefficient of greater than 5 (in logarithmic form to base 10), and the diameter of the shell capsules is in the range of 1 to 10 microns; the coated shell capsules have a wall thickness in the range of 0.03 to 0.5 microns; a weight ratio of shell wall material to encapsulated material in the range of 1:10 to 1:2 and the weight ratio of solvent/surfactant:capsules in the composition is in the range of 100:1 to 5:1.